

Converting Colors

RGB(102, 128, 215)

Have a look what the booklet for
RGB(102, 128, 215) contains.

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Color

RGB(102, 128, 215)

Conversions

Conversions Part 1

Format	Color
Hex	6680D7
RGB	102, 128, 215
RGB Percent	40%, 50%, 84%
CMY	0.6000, 0.4980, 0.1569
CMYK	0.53, 0.40, 0.00, 0.16
HSL	226°, 59%, 62%
HSV	226°, 53%, 84%
XYZ	25.4644, 23.1694, 67.4200
YIQ	130.1440, -43.4230, 21.5450

Conversions

Conversions Part 2

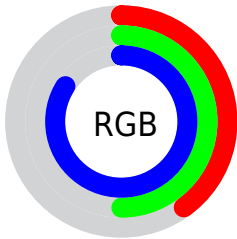
Format	Color
RYB	102, 123, 215
Decimal	6717655
CIELab	55.25, 15.23, -47.63
CIELCh	55, 50.005, 287.737
Yxy	23.1694, 0.2194, 0.1996
Android (android.graphics.Color)	4284907735 (0xFF6680D7)
YUV	130.1440, 41.8340, -24.6823
Hunter-Lab	48.1346, 10.1953, -49.3506

Details

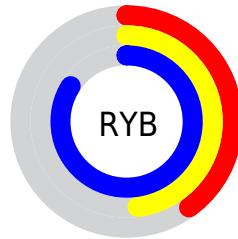
The RGB color **102, 128, 215** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **215, 189, 102**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **159, 181, 255**, and **40, 79, 160** is the 20% darker color. If you saturate the color by 10%, you get **81, 111, 215**, and if you desaturate by 10%, it is **124, 145, 215**.

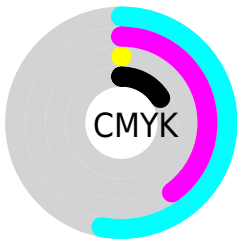
Distribution



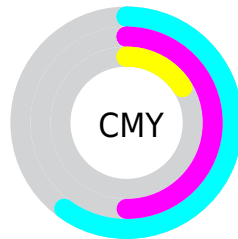
- Red (40%)
- Green (50%)
- Blue (84%)



- Red (40%)
- Yellow (48%)
- Blue (84%)



- Cyan (53%)
- Magenta (40%)
- Yellow (0%)
- Black (16%)




- Cyan (60%)
- Magenta (50%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RGB color 102, 128, 215 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 102, 128, 215 by changing the saturation by 10% instead.

 102, 128, 215


255, 255, 255


 159, 181, 255

 188, 208, 255

 217, 236, 255

 247, 255, 255

 102, 128, 215

 73, 103, 187

 40, 79, 160

 0, 57, 133

 0, 36, 107

 0, 16, 82


 0, 6, 59


 0, 2, 36


 0, 0, 12

 0, 0, 0

 102, 128, 215

 102, 128, 215

 81, 111, 215

 124, 145, 215


 59, 95, 215

 145, 161, 215

 37, 78, 215

 167, 178, 215

 16, 62, 215

 188, 194, 215

 0, 49, 215

 210, 211, 215

 231, 227, 215

 252, 244, 215

 255, 255, 215

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 142, 217



102, 128, 215



167, 110, 191

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



102, 128, 215



200, 107, 70



0, 152, 112

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



102, 128, 215



215, 189, 102

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80, 147, 71



102, 128, 215



171, 124, 43

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



102, 128, 215



212, 94, 108



131, 138, 43



0, 153, 157

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



102, 128, 215



194, 99, 166



131, 138, 43



15, 151, 98

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



102, 128, 215



214, 224, 255



102, 215, 189



103, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



102, 128, 215



94, 131, 255



132, 102, 215



96, 99, 107



0, 39, 171



0, 10, 43

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



215, 102, 128



255, 94, 131



185, 215, 102



107, 96, 99



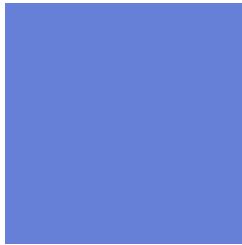
171, 0, 39



43, 0, 10

Previews

White Background



This preview shows how the RGB color 102, 128, 215 looks on a white background.

Color Contrast Check

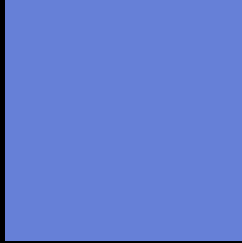
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RGB color 102, 128, 215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

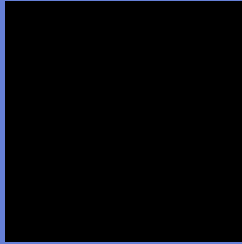
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 102, 128, 215 Background



This preview shows how black text looks on a background with the RGB color 102, 128, 215.

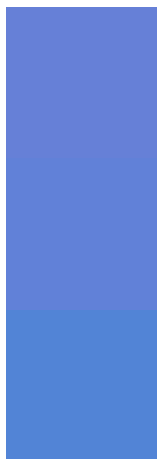


This preview shows how white text looks on a background with the RGB color 102, 128, 215.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


102, 128, 215

Protanopia

97, 129, 216

Deuteranopia

82, 132, 214



Tritanopia

81, 141, 153

Trichromacy



Original Color
102, 128, 215

Protanomaly
99, 129, 216

Deuteranomaly
89, 131, 214

Tritanomaly
89, 136, 176

Monochromacy



Original Color
102, 128, 215

Achromatopsia
130, 130, 130

Achromatomaly
120, 129, 161

CSS Examples

Text

The CSS property to change the color of the text to RGB 102, 128, 215 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(102, 128, 215)` looks like.

```
.text, #text, p{  
    color:rgb(102, 128, 215)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(102, 128, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 128, 215) }
```

Border

The CSS property to change the border of an element to RGB 102, 128, 215 is called "border". The border property can be set on classes, ids or directly on the HTML element.

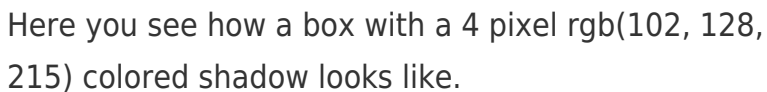
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 128, 215) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(102, 128, 215) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(102, 128, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 128, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 128, 215); box-shadow:4px 4px 4px 4px rgb(102, 128, 215) }
```

Background

The CSS property to change the background color of an element to RGB 102, 128, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 128, 215) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(102,  
128, 215) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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